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## EUROPEAN PATENT APPLICATION

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⑯ Method for controlling the amount of moisture associated with a web of moving material.

⑰ A moisture measurement and control system controlling the amount of moisture in paper being manufactured by papermaking machinery, for example, linerboard, utilizes a standard scanning moisture sensor to calibrate a nonscanning moisture sensor to thus provide very fast and accurate moisture measurements for each zone of the moving paper. The measurement is communicated to a fast response time moisture profiler, for example, of the quartz heater type. In addition, the nonscanning moisture measurement unit, which utilizes capacitive electrodes, has improved accuracy due to its electrode arrangement and signal processing technique.

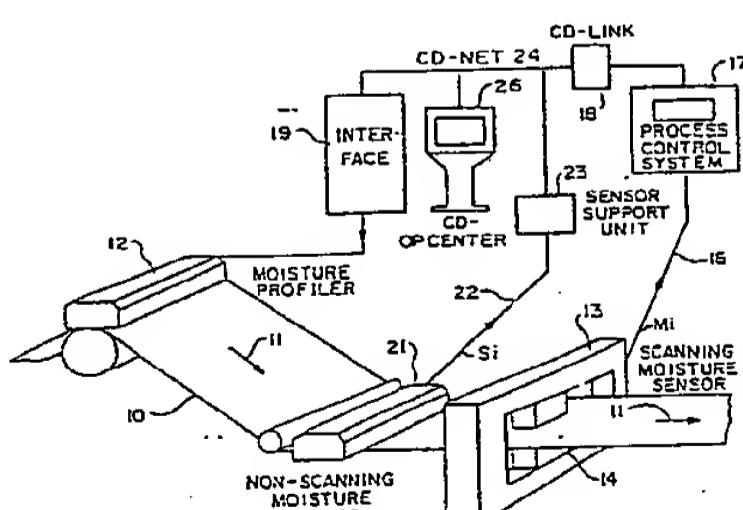


FIG. -1



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EUROPEAN SEARCH REPORT

Application Number

EP 88 30 0359

DOCUMENTS CONSIDERED TO BE RELEVANT

| Category   | Citation of document with indication, where appropriate, of relevant passages                    | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.3) |
|--|--|-------------------|---|
| Y  | US-A-3 713 966 (P. LIPPKE)<br>* abstract; column 1, line 6 - column 2, line 22 *<br>---          | 1                 | G 01 N 27/22                                  |
| Y  | US-A-3 214 845 (N.A. HUFFMAN)<br>* column 1, lines 9-12; column 2, lines 26-56; claim 1 *<br>--- | 1                 |   |
| Y  | GB-A-1 102 062 (H. MAHLO)<br>* page 1, lines 8-14, 58-82 *<br>---                                | 1                 |   |
| A  | US-A-2 535 027 (W.C. ANDERSON)<br>* column 1, lines 1-17 *<br>---                                | 1,2               |   |
| A,D  | US-A-3 684 953 (M.P. GRANT)<br>* column 1, lines 4-14 *<br>-----                                 | 1,2               |   |
| TECHNICAL FIELDS SEARCHED (Int. Cl.3)  |  |                   |   |
| G 01 N 27/00<br>G 01 N 21/00<br>D 21 F 7/00                                      |  |                   |   |
| The present search report has been drawn up for all claims                       |  |                   |   |
| Place of search  | Date of completion of the search   | Examiner          |   |
| BERLIN   | 05-09-1988   | BRISON O.P.       |   |
| CATEGORY OF CITED DOCUMENTS  |  |                   |   |
| X : particularly relevant if taken alone   | T : theory or principle underlying the invention   |                   |   |
| Y : particularly relevant if combined with another document of the same category | E : earlier patent document, but published on, or after the filing date                          |                   |   |
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| O : non-written disclosure   | L : document cited for other reasons   |                   |   |
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